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(71) Applicant (for all designated States except US): NANO PLASMA CENTER CO., LTD. [KR/KR]; 404 Small & Medium Business, Support Center, 23-14, Jang-Dong, Yuseong-Gu, Daejeon City 305-343 (KR).

(72) Inventor; and

(75) Inventor/Applicant (for US only): KIM, Young-Nam [KR/KR]; 503-502 Expo Apl, Jeonmin-Dong, Yuseong-Gu, Daejeon City 305-762 (KR).

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(54) Title: GOLD OR SILVER PARTICLES WITH PARAMAGNETISM, AND COMPOSITION CONATINING THEREOF

(57) Abstract: The present invention is related to gold or silver powder characterized by having paramagnetism. In more detail, contrary to the conventional gold or silver powder known to be a diamagnetic material having magnetism in the opposite direction to that of the magnetic field in the external magnetic field, the gold or silver powder according to the present invention is characterized by being a paramagnetic gold or silver powder having magnetism in the same direction as that of the external magnetic field, i.e., in the positive direction, in all temperature ranges, which is further characterized by having saturated magnetic moment with the external magnetic field, H, of 2,000 to 8,000 Oe. The paramagnetic gold or silver powder according to the present invention is also characterized by that inclination dM/dH of the mass magnetism curve is positive at an absolute temperature of 20K with the external magnetic field, H, of greater than 1,000 Oe. The paramagnetic gold or silver powder according to the present invention shows an extremely small coercive force, has no surface oxidation layers, is stable at a room temperature, has no cohesive property, and is highly dispersible. Owing to these characteristics, the gold or silver powder according to the present invention may be used for various material areas.

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